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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,303	01/19/2007	Young-Lak Kim	4949-06085603	2323
22429	7590	09/27/2010	EXAMINER	
LOWE HAUPTMAN HAM & BERNER, LLP			CAL, WAYNE HUU	
1700 DIAGONAL ROAD			ART UNIT	PAPER NUMBER
SUITE 300			2617	
ALEXANDRIA, VA 22314			MAIL DATE	DELIVERY MODE
			09/27/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental Notice of Allowability	Application No.	Applicant(s)	
	10/585,303	KIM ET AL.	
	Examiner WAYNE CAI	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 6/11/2010.
2. The allowed claim(s) is/are 1-6.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 8/12/2010
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

/Wayne Cai/
Primary Examiner, Art Unit 2617

SUPPLEMENTAL EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Yoon Ham (Reg. No. 45,307) on July 13, 2010.

The application has been amended as follows:

In Abstract:

~~A handover method for a mobile communication terminal is disclosed.~~ In the handover method, a radio network controller periodically measures the wireless environment of a mobile communication terminal, determines whether handover is required, and informs the asynchronous mobile switching center of the asynchronous communication system that the handover is required. The asynchronous mobile switching center requests the handover and a synchronous mobile switching center assigns a forward channel to the mobile communication terminal. The mobile communication terminal prepares for communication with a synchronous mobile communication system according to the direction of the asynchronous mobile switching center, and causes a backward channel with respect to the synchronous communication system to be assigned to the mobile communication terminal. The synchronous mobile switching center informs the asynchronous mobile switching center that handover has

been completed, and causes a connection between the asynchronous mobile switching center and the radio network controller to be released.

In Specification:

Brief Description of the Drawings

FIG. 1 is a diagram showing the construction of a mobile communication network to which the present invention is applied;

FIG. 2 is a diagram showing the construction of a mobile communication terminal that is applied to the present invention;

FIG. 3 is a conceptual diagram illustrating handover in a mobile communication network on which asynchronous and synchronous networks overlap each other according to an embodiment of the present invention;

FIG. 4 is a flowchart illustrating a handover method according to an embodiment of the present invention;

FIG. 5 is a flowchart illustrating the handover method shown in FIG. 4 in detail according to an embodiment of the present invention; and

FIG. 6 is a flowchart illustrating the step of preparing communication with the mobile communication terminal shown in FIG. 5 in detail according to an embodiment of the present invention.

(END OF AMENDMENT)

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on August 22, 2010 is being considered by the examiner.

Terminal Disclaimer

3. The terminal disclaimer filed on June 11, 2010 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 7,664,074 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

4. Claims 1-6 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Park et al. (US 6,975,608) discloses a method for performing handoff between asynchronous base station and synchronous base station (abstract).
Park et al. (US 6,704,581) discloses a mobile telecommunication system for performing a handoff from an asynchronous communication system to a synchronous communication system (abstract, Figure 9 and its descriptions).

Holcman et al. (US 2003/0108007) discloses a method and apparatus for effecting handoff between different cellular communications systems (Figure 3 and its descriptions. Also, see paragraph 0015).

However, none of the prior art, either alone or in combination, teaches or suggests switching center of the asynchronous communication system that the handover is required; the third step of the asynchronous mobile switching center requesting handover from a synchronous mobile switching center of the synchronous communication system, and the synchronous mobile switching center assigning a forward channel to the mobile communication terminal; the fourth step of, as the asynchronous mobile switching center directs the mobile communication terminal to perform handover, the mobile communication terminal preparing communication with the synchronous mobile communication system, and causing a backward channel with respect to the synchronous communication system to be assigned to the mobile communication terminal; and the fifth step of the synchronous mobile switching center informing the asynchronous mobile switching center of completion of the handover, thus releasing a connection between the asynchronous mobile switching center and the radio network controller.

Therefore, the Examiner allows independent claim 1 at least for the reasons discussed above.

Claims 2-6 depend either directly or indirectly upon independent claim 1 are also allowed at least for the same reasons discussed above and by virtue of their dependency.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WAYNE CAI whose telephone number is (571)272-7798. The examiner can normally be reached on Monday-Thursday from 8:00 a.m. to 6:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Wayne Cai/
Primary Examiner, Art Unit 2617